

01263.001750



PATENT APPLICATION

#10 D.J. 4-11-04  
IDS w/ Refers

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Jebu Jacob Rajan ) Examiner: M. Lerner  
Application No.: 09/866,854 ) Group Art Unit: 2654  
Filed: May 30, 2001 )  
For: SPEECH PROCESSING SYSTEM ) March 30, 2004

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MAR 31 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Technology Center 2800

FIFTH INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, Applicant directs the Examiner's attention to the documents listed on the enclosed Form PTO-1449. Copies of the listed documents are also enclosed.

Three United Kingdom Search Reports (dated January 29, 2002, February 6, 2002, and August 1, 2002) and two European Search Reports (dated November 27, 2003 and December 23, 2003) from related applications, which cite some of the listed documents, are enclosed for the Examiner's convenient reference.

Applicant would like to note that the article "Bayesian Approach to Parameter Estimation and Interpolation of Time-varying Autoregressive Processes Using the Gibbs Sampler," cited in the EP Search Reports, was previously cited in this application in the Information Disclosure Statement filed on January 22, 2002. A copy of the article was submitted with that Statement.

Applicant also notes that WO 00/45375 is equivalent to GB 2 361 339 A, which was cited in the Information Disclosure Statement filed on August 28, 2002.

#### FORMAL MATTERS

In accordance with 37 C.F.R. § 1.97(b), since a first Official Action on the merits of the subject application has not yet been issued, neither a statement under 37 C.F.R. § 1.97(e) nor payment of a fee is believed to be required. However, the Commissioner is hereby authorized to charge any fee which may be required in connection with this paper to Deposit Account No. 06-1205. A duplicate of this paper is enclosed.

#### CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be initialed and returned, indicating that such information has been considered.

Applicant's undersigned attorney may be reached in Washington, D.C. by telephone at (202) 530-1010. All correspondence should continue to be directed to the address given below.

Respectfully submitted,

  
\_\_\_\_\_  
Attorney for Applicant  
Melody H. Wu  
Registration No. 52,376

FITZPATRICK, CELLA, HARPER & SCINTO  
30 Rockefeller Plaza  
New York, New York 10112-3801  
Facsimile: (212) 218-2200  
MHW:ayr  
160343 v 1



Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Date 03.30.04  
Mo. Day Yr.

Atty. Docket 01263.001780

Application No. 09/864,551

Sir:

Kindly acknowledge receipt of the accompanying:

- FOHS-D-00
- ☐ Response to Official Action. \_\_\_\_\_
  - ☐ Check for \$ \_\_\_\_\_ (claims fee)
  - ☐ Petition under 37 CFR 1.136 and Check for \$ \_\_\_\_\_
  - ☐ Notice of Appeal and Check for \$ \_\_\_\_\_
  - ☒ Information Disclosure Statement, PTO-1449 and thirty-five (35) documents
  - ☐ Claim for priority and certified copies of \_\_\_\_\_ priority applications
  - ☐ Issue fee transmittal and Check for \$ \_\_\_\_\_
  - ☒ Other (specify) Three (3) UK Search Reports + two (2) European Search Reports
- by placing your receiving date stamp hereon and returning to deliverer.

Atty. MHL

Due Date 03.30.04  
Mo. Day Yr.

By H/L

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•FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)  Date: March 30, 2004			ATTY DOCKET NO. <b>01263.001750</b>		APPLICATION NO. <b>09/866,854</b>	
FILING DATE <b>May 30, 2001</b>			APPLICANT <b>JEBU JACOB RAJAN</b>			
GROUP <b>2654</b>						

U.S. PATENT & TRADEMARK OFFICE  
 MAR 30 2004  
 JETTY

U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,386,237	05/31/1983	Virupaksha et al.	179	15.55 R	
	5,012,518	04/30/1991	Liu et al.	381	42	
	5,432,884	07/11/1995	Kapanen et al.	395	2.37	
	5,884,269	03/16/1999	Cellier et al.	704	501	
	6,134,518	10/17/2000	Cohen et al.	704	201	
	6,226,613 B1	05/01/2001	Turin	704	256	

FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	WO 92/22891	12/23/1992	PCT			In English
	EP 0 554 083 A2	08/04/1993	Europe			In English
	EP 0 631 402 A2	12/28/1994	Europe			In English
	EP 0 674 306 A2	09/27/1995	Europe			In English
	WO 98/38631	09/03/1998	PCT			In English

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Couvreur, et al., "Wavelet-based Non-Parametric HMM's: Theory and Applications," Proc. International Conference Acoustics, Speech and Signal Processing, Istanbul, Vol. 1, June 5-9, 2000, pp. 604-607
	Hopgood, et al., "Bayesian Single Channel Blind Deconvolution Using Parametric Signal and Channel Models," Proc. IEEE Workshop on Applications of Signal Processing to Audio and Acoustics, New Paltz, NY, October 17-20, 1999, pp. 151-154
	Andrieu, et al., "Bayesian Blind Marginal Separation of Convolutively Mixed Discrete Sources," IEEE Proc., 1998, pp. 43-52

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	GB 2 332 054 A	06/09/1999	Great Britain			In English
	GB 2 332 055 A	06/09/1999	Great Britain			In English
	WO 99/28760	06/10/1999	PCT			In English
	WO 99/28761	06/10/1999	PCT			In English
	EP 0 952 589 A2	10/27/1999	Europe			In English
	WO 99/64887	12/16/1999	PCT			In English
	WO 00/11650	03/02/2000	PCT			In English
	EP 0 996 112 A2	04/26/2000	Europe			In English
	WO 00/38179	06/29/2000	PCT			In English
	GB 2 345 967 A	07/26/2000	Great Britain			In English
	EP 1 022 583 A2	07/26/2000	Europe			In English
	WO 00/45375	08/03/2000	PCT			In English
	GB 2 349 717 A	11/08/2000	Great Britain			In English
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)						
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